



US Army Corps
of Engineers
Seattle District

Public Notice of Application for Permit

Regulatory Branch
Post Office Box 3755
Seattle, Washington 98124-3755
Telephone (206) 764-3495
ATTN: Susan Powell, Project Manager

Public Notice Date: December 6, 2005
Expiration Date: January 6, 2006
Reference: 200500980
Name: Mercer Island, City of

Interested parties are hereby notified that an application has been received for a Department of the Army permit in accordance with Section 10 of the Rivers and Harbors Act of 1899, and Section 404 of the Clean Water Act for certain work described below and shown on the enclosed drawings.

APPLICANT: City of Mercer Island
9611 Southeast 36th Street
Mercer Island, Washington 98040-3732
ATTN: Anne Tonella-Howe
Telephone: (206) 236-7687

LOCATION: In Lake Washington along the north and northwest shoreline of Mercer Island, Washington.

WORK: Replace an approximately 9,100-foot-long failing segment of the City of Mercer Island's lake line sewer system and upgrade pump stations within two reaches (Reaches 3 and 4) of the overall City sewer system. The new sewer line would be installed waterward of and parallel to the existing sewer line. The work would include the installation of 9,100 lineal feet of new sewer main and 6,900 lineal feet of new side sewer pipe and connections as detailed below:

Reach 3: A new pump station (No. 4) will be constructed immediately north of the I-90 bridge. Approximately 3,350 feet of new 16-inch pipe gravity main will be installed between existing Pump Station No. 5 and new Pump Station No. 4. Approximately 4,050 feet of 8-inch gravity main and an adjacent 12-inch bypass force main will be installed between new Pump Station No. 4 and Roanoke Way. Approximately 5,200 feet of new 6-inch side sewer pipe will be installed to extend 42 side sewers.

Reach 4: Approximately 1,700 lineal feet of new 10- 12-inch pipe will be installed between Pump Station No. 1 and the King County Inlet Facility. Approximately 1,700 lineal feet of new 6-inch and 10-inch side sewer pipe will be installed to extend seven side sewers.

It is estimated that the sewer main and side sewer trenches will be 8 to 16 feet wide at the sediment surface and 3 to 5 feet wide at the bottom of the trench. Approximately 28,000 cubic yards of material will be excavated along the project corridor, with approximately 16,000 cubic yards being placed back into the trench after installation of the pipeline, which will be overlain with a layer of gravel appropriate in size for use as spawning habitat by anadromous salmonids. The remaining 12,000 cubic yards of excavated material will be disposed of at the Elliott Bay Puget Sound Dredged Disposal Analysis (PSDDA) open-water disposal site.

The existing sewer line would be flushed prior to decommissioning. As side sewers are connected to the new sewer line, sections of the old sewer line would be cut, capped, and buried in place.

PURPOSE: To provide a safe, reliable, and maintainable wastewater collection and delivery system that will carry sanitary sewage from the northwest corner of Mercer Island to the King County collection system.

PUGET SOUND DREDGED DISPOSAL ANALYSIS (PSDDA):

Dredged Material Testing: The proposed dredged material has been tested according to the procedures specified in PSDDA, a multi-agency program for the evaluation of dredged material proposed for disposal at open-water sites in Puget Sound. The PSDDA evaluations may include both chemical and biological testing of sediments. For this project, the PSDDA agencies determined that all 28,000 cubic yards were suitable for unconfined disposal at the PSDDA nondispersive open-water disposal site in Elliott Bay. The sediment testing data are available at the U.S. Army Corps of Engineers (Corps), Seattle District, Dredged Material Management Office.

Disposal Site Use Conditions: The following standard site use conditions will be specified by the Corps and the Washington Department of Natural Resources as part of the Federal/State permitting processes: (1) during the periods of tribal fishing in the disposal site area, disposal will only occur during daylight hours; and (2) during the daylight hours, "navigation rules of the road" will apply to the dredger in the event Tribal fishing is occurring at the disposal site. The dredger's permit will state that disposal is to occur when there is no Tribal fishing occurring at the disposal site. Other appropriate special conditions may be added as a result of comments received during the public review period for this public notice.

MITIGATION: Proposed mitigation includes the removal of milfoil; the placement of spawning gravel to restore the surface of pipe trenches; the removal of treated wood piling at Roanoke Landing, Pump Station No. 4, Garfield Landing, and Slater Park; lakeshore restoration at Pump Station No. 4; and lakeshore restoration at Luther Burbank Park.

ENDANGERED SPECIES: The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. The bald eagle (*Haliaeetus leucocephalus*) threatened, Puget Sound Chinook salmon (*Oncorhynchus tshawytscha*) threatened, and Coastal/Puget Sound bull trout (*Salvelinus confluentus*) threatened, in the state of Washington, occur in the proposed project area. For Chinook and bull trout, critical habitat has been designated.

After receipt of comments from this public notice, the U.S. Army Corps of Engineers (Corps) will evaluate the potential impacts to the bald eagle, Chinook salmon, bull trout and designated critical habitat.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact approximately 4.3 acres of EFH for Pacific salmon in the project area.

If the Corps determines that the proposed action may adversely affect EFH for federally managed fisheries in Washington waters, the Corps will initiate EFH consultation with the NMFS. The Corps' final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

CULTURAL RESOURCES: The District Engineer has reviewed the latest published version of the National Register of Historic Places, lists of properties determined eligible and other sources of information. There are no recorded historic properties within the permit area. The permit area has been so extensively modified by modern development that little likelihood exists for the proposed project to impinge upon an undisturbed historic property. The District Engineer invites responses to this public notice from Native American Nations or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns with historic properties in the area. This public notice initiates consultation under Section 106 of the National Historic Preservation Act (36 CFR 800.4[a][3]), with any Tribe that has information or concerns with historic properties in the proposed permit area.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The proposed discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the Clean Water Act. These guidelines require an alternative analysis for any proposed discharge of dredged or fill material into waters of the United States.

ADDITIONAL EVALUATION: The State of Washington is reviewing this work for consistency with the approved Washington Coastal Zone Management Program and for compliance with the applicable State and Federal water quality standards pursuant to Section 401 of the Clean Water Act.

This proposal is the subject of Shorelines Substantial Development Permit No. SHL05-027, being processed by the city of Mercer Island.

COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and

200500980

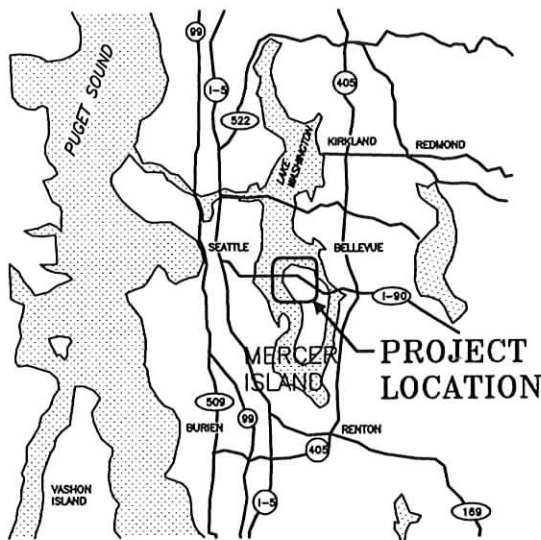
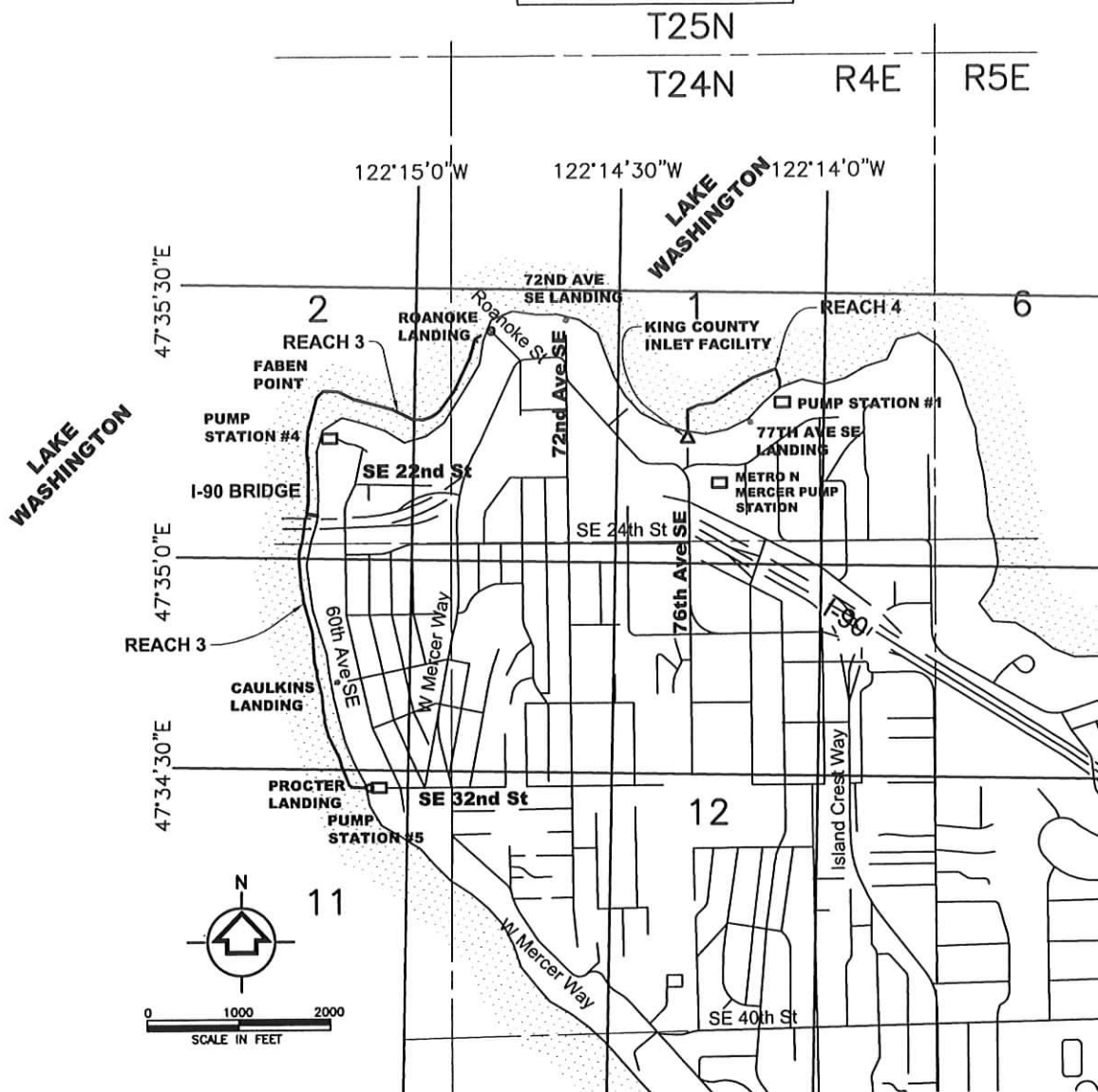
reference number as shown below. All e-mail comments should be sent to Susan.M.Powell@usace.army.mil.

Conventional mail comments should be sent U.S. Army Corps of Engineers, Regulatory Branch, Post Office Box 3755, Seattle, Washington, 98124-3755. Both conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commentor's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration. Please include the following name and reference number:

Mercer Island, City of, 200500980

Encl
Drawings (15)

VICINITY MAP



VICINITY MAP

SURVEY DATUM

MERIDIAN
WASHINGTON STATE PLAN COORDINATE SYSTEM,
NORTH ZONE, NAD 83
VERTICAL DATUM: NAVD 88
NAVD 88 +3.28 FEET = CORPS DATUM

17.72	8.02	MEAN REGULATED LAKE LEVEL
11.85	2.15	HIGHEST RECORDED TIDE
9.7	0.00	SEATTLE DATUM, PACIFIC COAST R.R. & G.N.R.R. IN SEATTLE
8.5	-1.2	MEAN HIGHER WATER
7.65	-2.05	MEAN HIGH WATER
3.65	-6.05	MEAN SEA LEVEL, U.S.G.S., KING COUNTY
0.00	-9.70	MEAN LOW WATER
-2.82	-12.52	MEAN LOWER LOW WATER
-3.28	-12.98	CORPS OF ENGINEERS
-6	-15.70	N.P.R.R. NORTH OF YESLER WAY
-7.28	-16.98	C.M. ST. P. & PAC. RY.
-7.45	-17.15	LOWEST RECORDED TIDE
-9.49	-19.19	N.P.R.R. SOUTH OF YESLER WAY

Applicant: City of Mercer Island

Reference #: 200500980

Waterway: Lake Washington

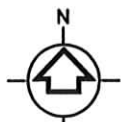
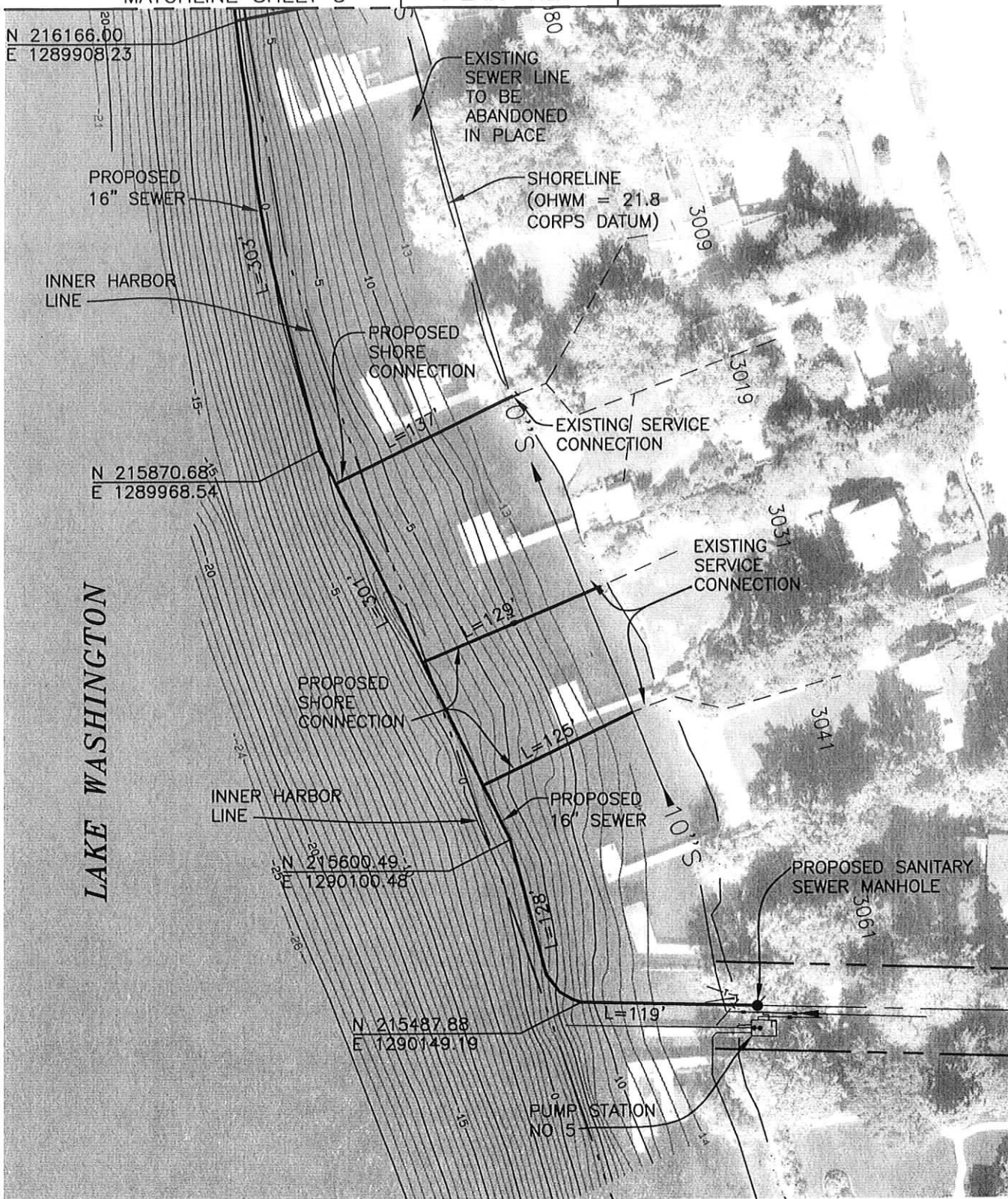
Sec's 1, 2, & 11 T24N R4E

SEWER LAKE LINE REPLACEMENT

Mercer Island, King County
Washington 98040

Sheet 1 of 15

10-13-05



0 100 200
SCALE IN FEET

SEWER LAKE LINE

Mercer Island, King County
Washington 98040

Sheet 2 of 15

Applicant: City of Mercer Island

Reference #: 200500980

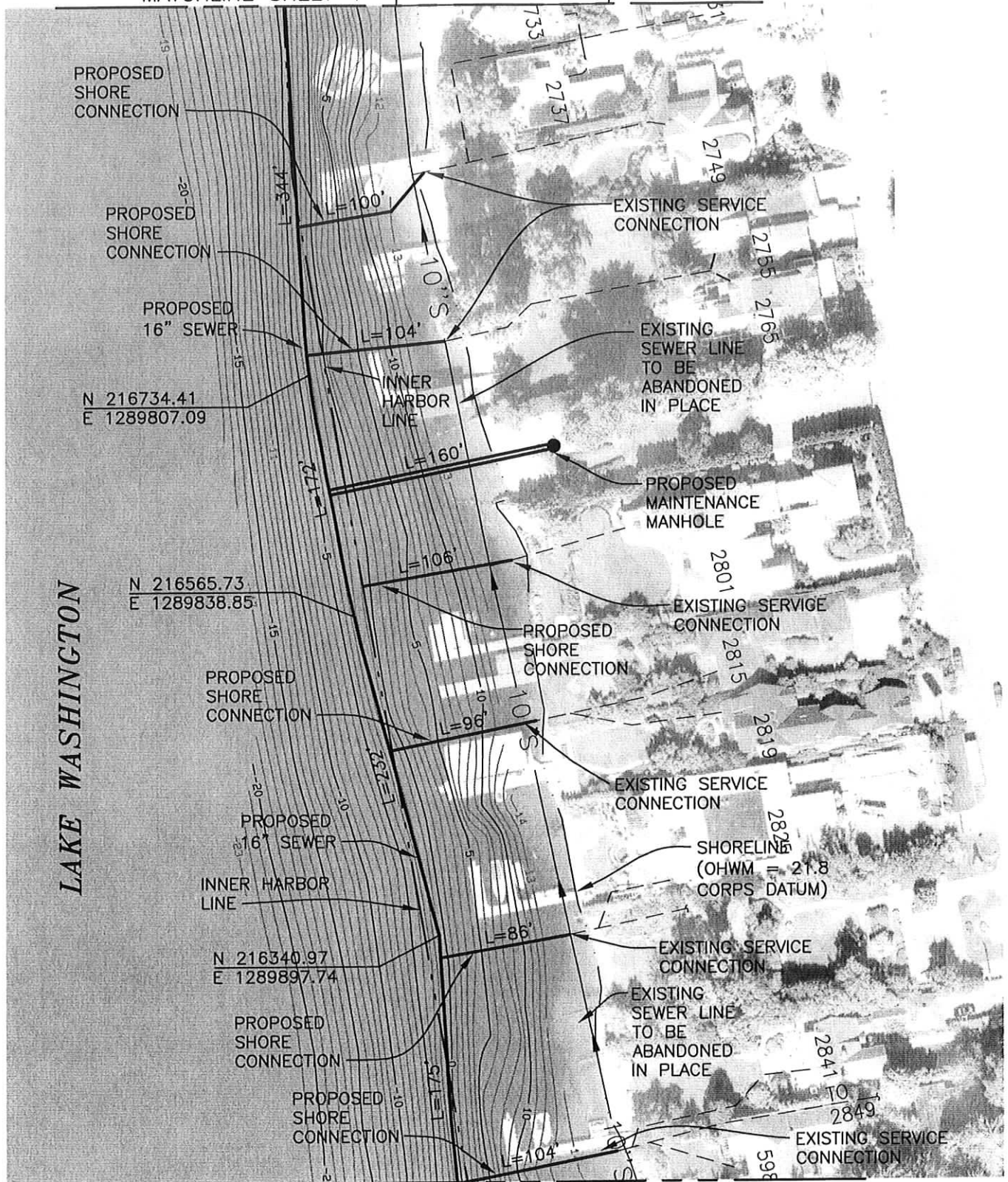
Waterway: Lake Washington

Sec 11 T24N R4E

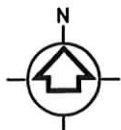
10-13-05

MATCHLINE SHEET 4

PLAN VIEW



MATCHLINE SHEET 2



0 100 200

SCALE IN FEET

SEWER LAKE LINE

10-13-05

Mercer Island, King County
Washington 98040

Sheet 3 of 15

Applicant: City of Mercer Island

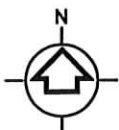
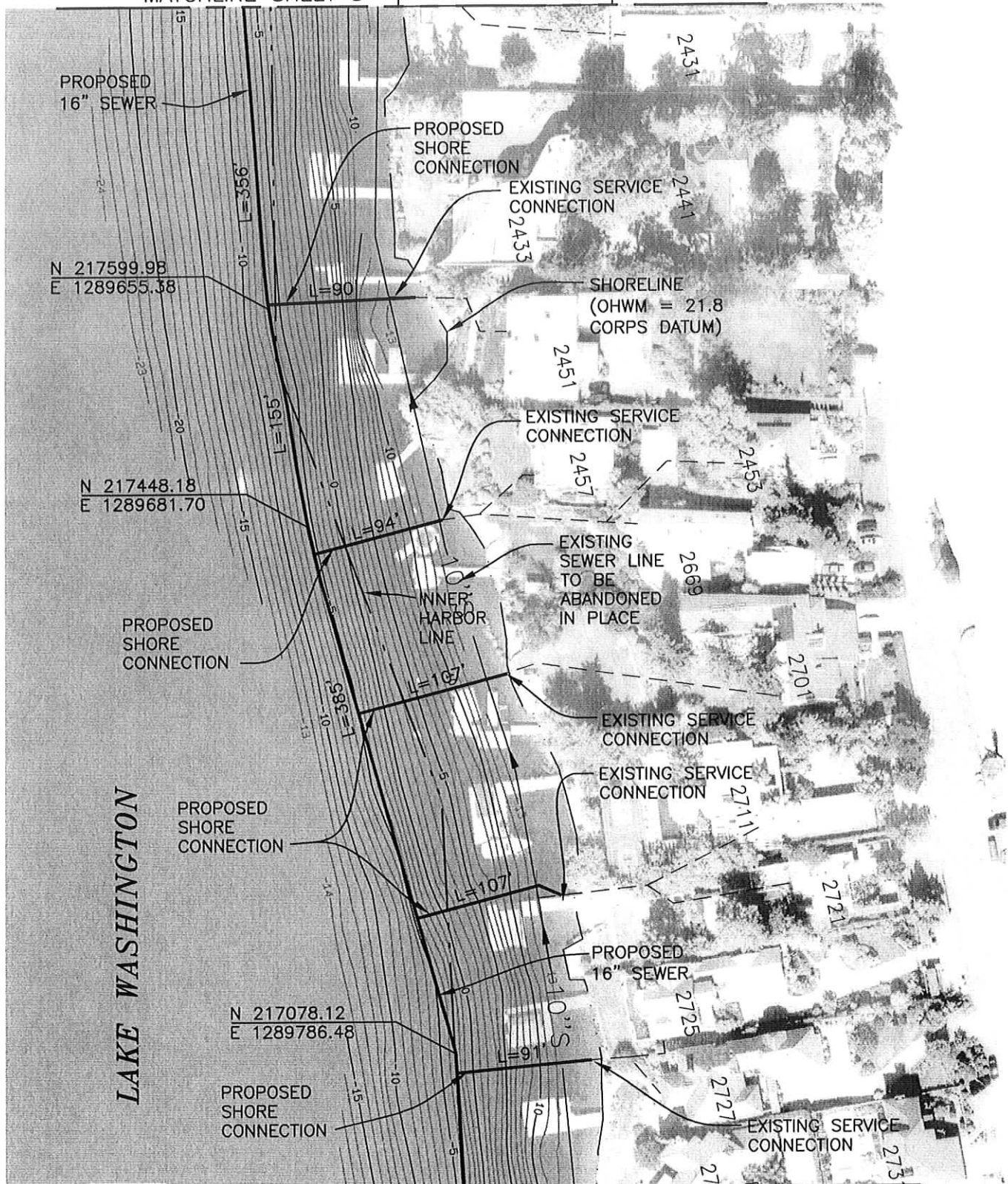
Reference #: 200500980

Waterway: Lake Washington

Sec 11 T24N R4E

MATCHLINE SHEET 5

PLAN VIEW



0 100 200
SCALE IN FEET

SEWER LAKE LINE

Mercer Island, King County
Washington 98040

MATCHLINE SHEET 3

10-13-05

Sheet 4 of 15

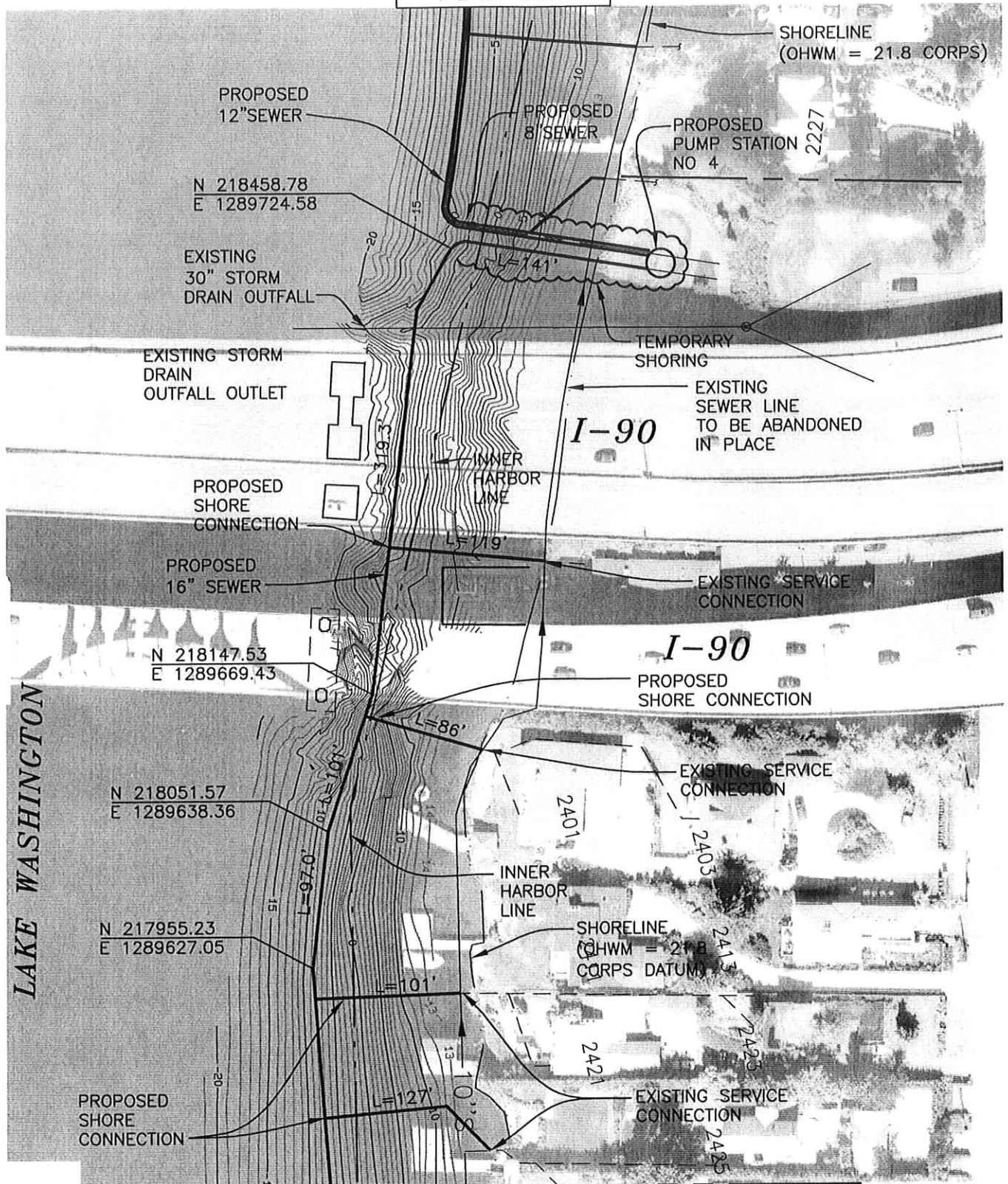
Applicant: City of Mercer Island

Reference #: 200500980

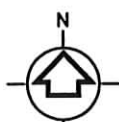
Waterway: Lake Washington

Sec 11 T24N R4E

PLAN VIEW



LAKE WASHINGTON



A horizontal scale bar with a black and white checkered pattern. It is marked with '0' at the left end, '100' in the middle, and '200' at the right end. Below the bar, the text 'SCALE IN FEET' is centered.

SEWER LAKE LINE

Mercer Island, King County
Washington 98040

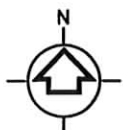
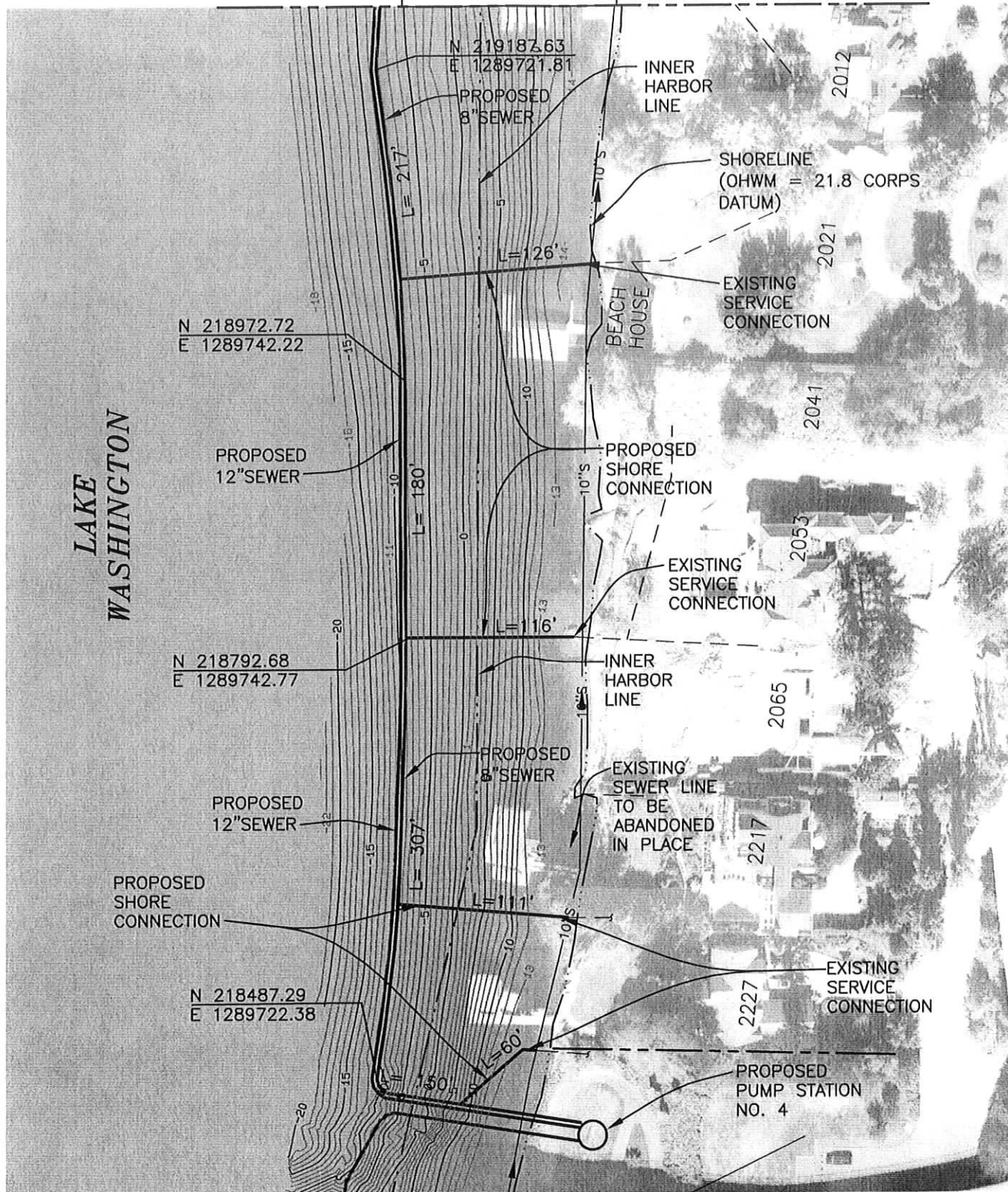
Sheet 5 of 15

Applicant: City of Mercer Island

Reference #: 200500980

Waterway: Lake Washington

Sec 2&11 T24N R4E



0 100 200

SCALE IN FEET

SEWER LAKE LINE

10-13-05

Mercer Island, King County
Washington 98040

Sheet 6 of 15

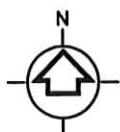
Applicant: City of Mercer Island

Reference #: 200500980

Waterway: Lake Washington

Sec 2 T24N R4E

PLAN VIEW



0 100 200

SCALE IN FEET

SEWER LAKE LINE

Mercer Island, King County
Washington 98040

MATCHLINE SHEET 6

10-13-05

Sheet 7 of 15

Applicant: City of Mercer Island

Reference #: 200500980

Waterway: Lake Washington

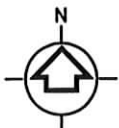
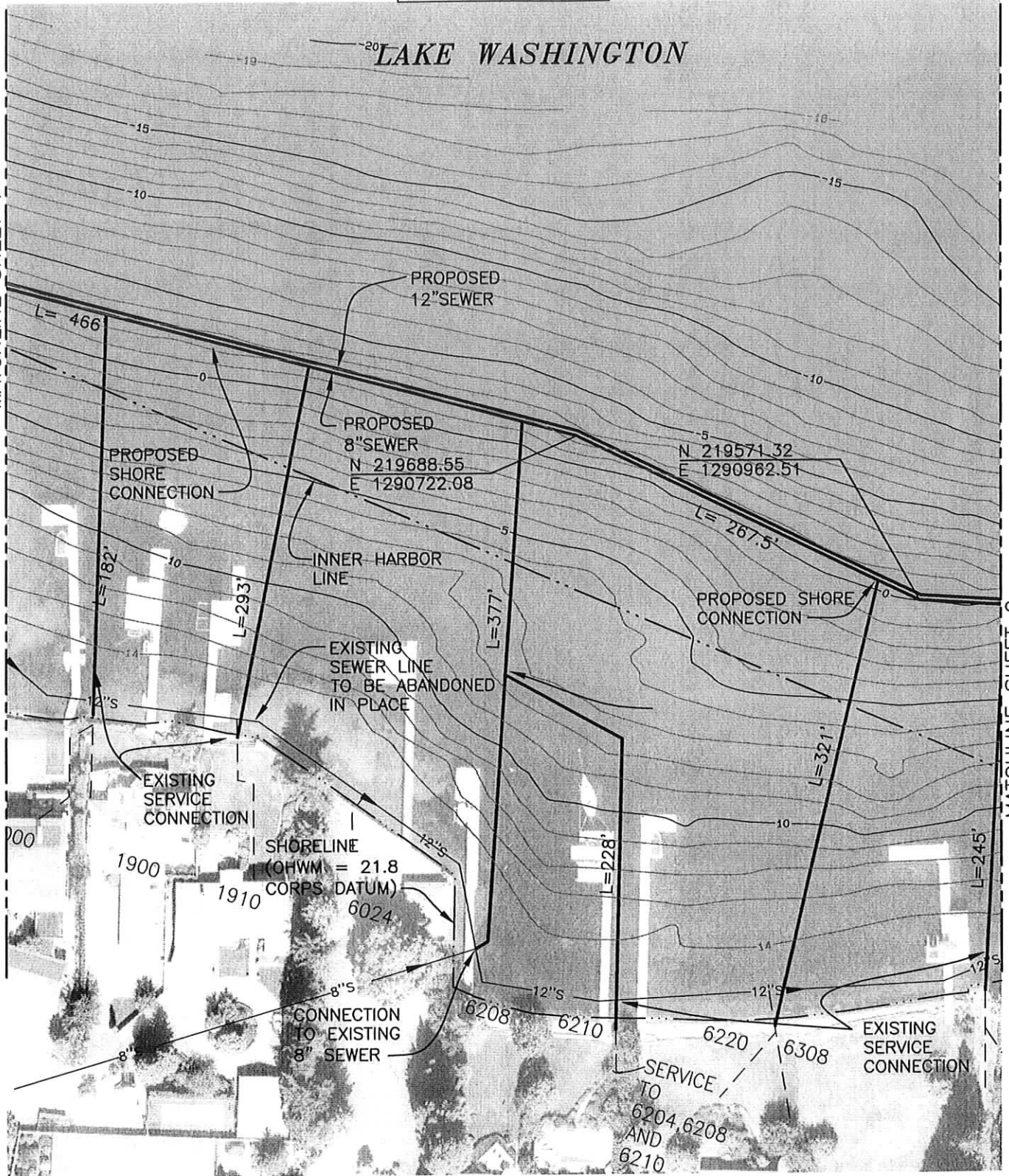
Sec 1 T24N R4E

PLAN VIEW

LAKE WASHINGTON

MATCHLINE SHEET 7

MATCHLINE SHEET 9



0 100 200

SCALE IN FEET

SEWER LAKE LINE

Mercer Island, King County
Washington 98040

Sheet 8 of 15

Applicant: City of Mercer Island

Reference #: 200500980

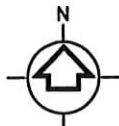
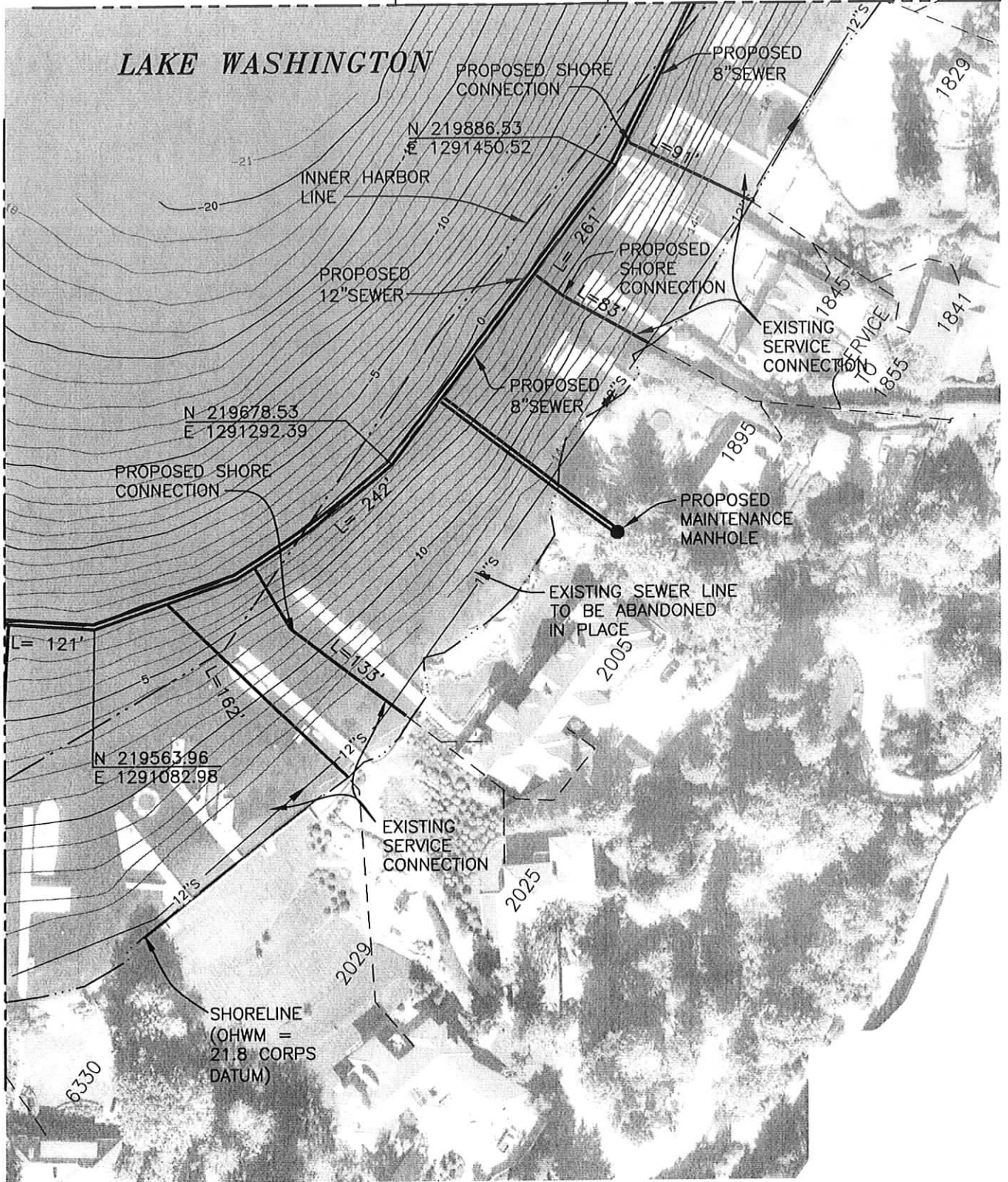
Waterway: Lake Washington

Sec 2 T24N R4E

10-13-05

LAKE WASHINGTON

MATCHLINE SHEET 8



0 100 200

SCALE IN FEET

SEWER LAKE LINE

Mercer Island, King County
Washington 98040

Sheet 9 of 15

Applicant: City of Mercer Island

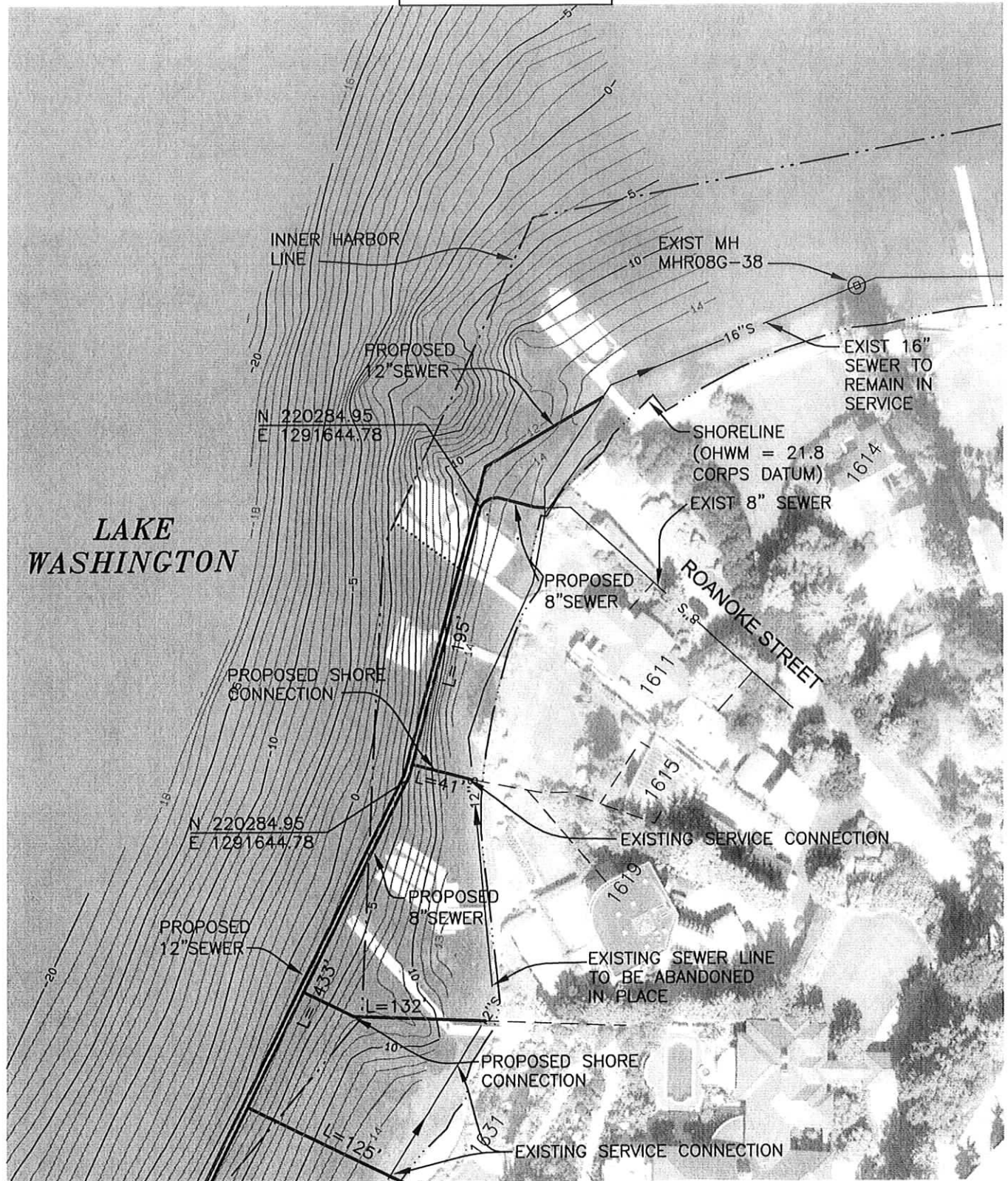
Reference #: 200500980

Waterway: Lake Washington

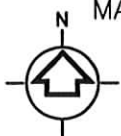
Sec 1&2 T24N R4E

10-13-05

PLAN VIEW



MATCHLINE SHEET 9



0 100 200

SCALE IN FEET

SEWER LAKE LINE

Mercer Island, King County
Washington 98040

10-13-05

Sheet 10 of 15

Applicant: City of Mercer Island

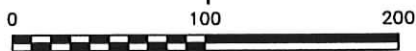
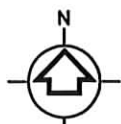
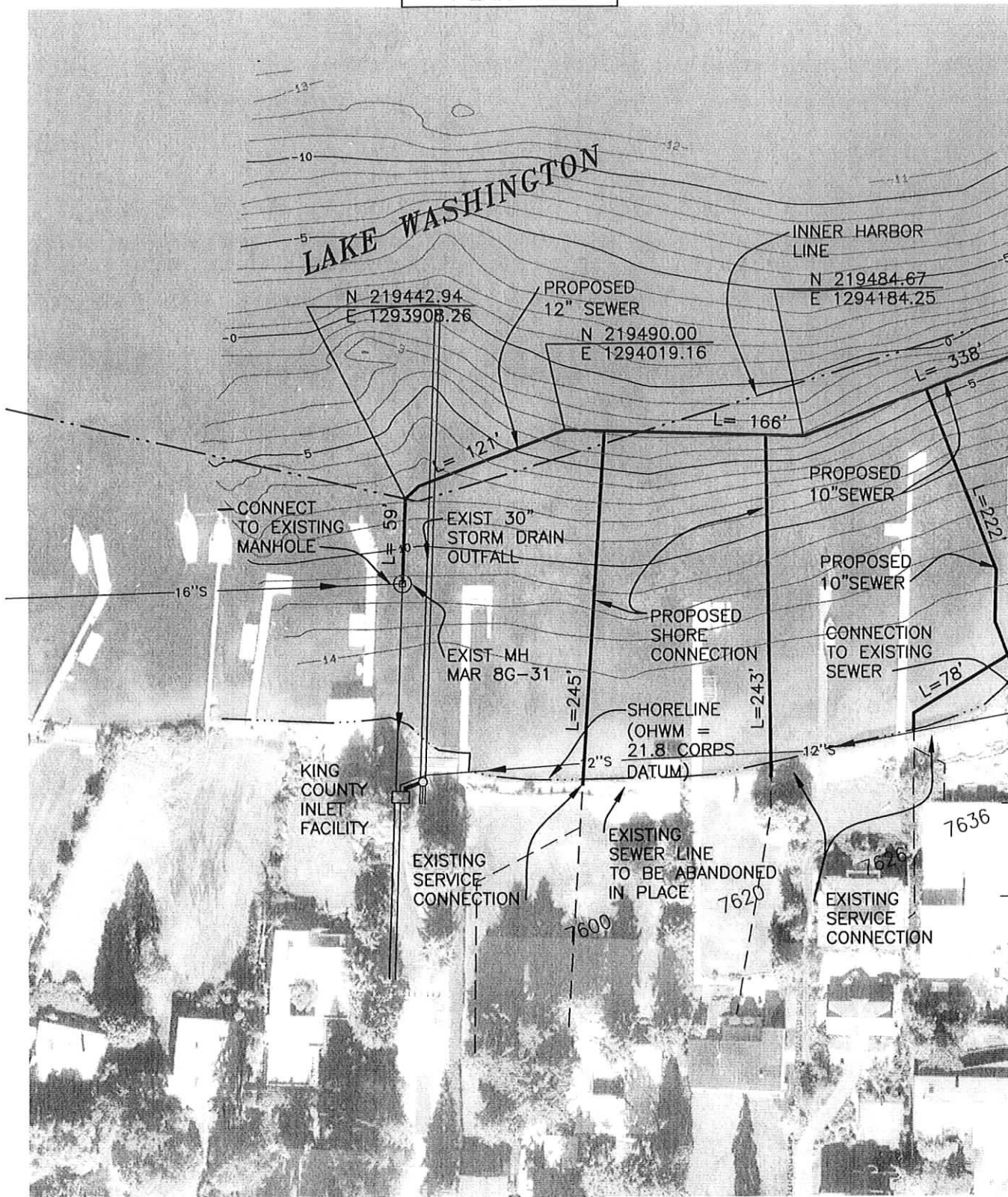
Reference #: 200500980

Waterway: Lake Washington

Sec 1 T24N R4E

PLAN VIEW

MATCHLINE SHEET 12



SCALE IN FEET

SEWER LAKE LINE

Mercer Island, King County
Washington 98040

Sheet 11 of 15

Applicant: City of Mercer Island

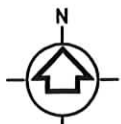
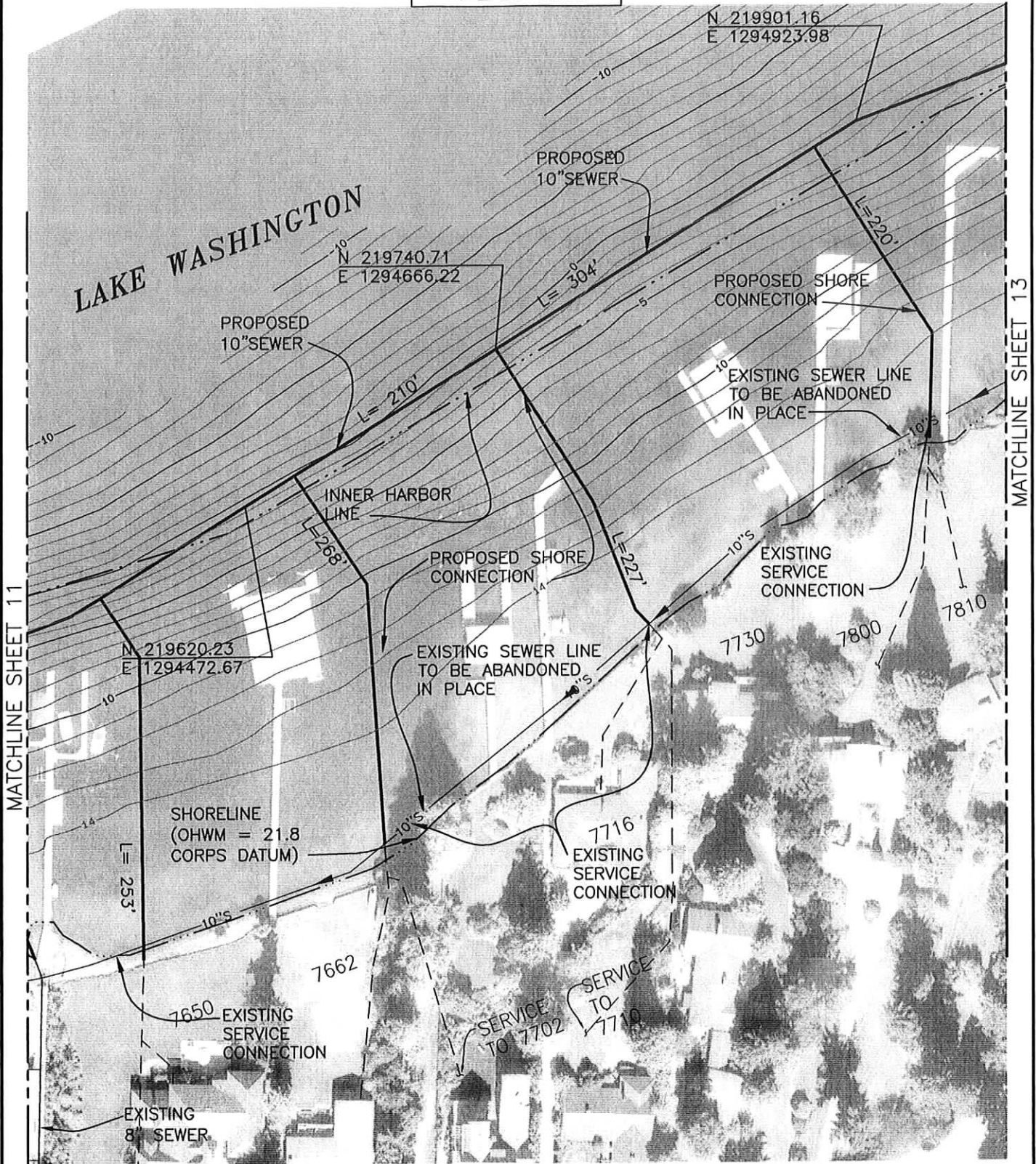
Reference #: 200500980

Waterway: Lake Washington

Sec 1 T24N R4E

10-13-05

PLAN VIEW



0 100 200

SCALE IN FEET

SEWER LAKE LINE

Mercer Island, King County
Washington 98040

Sheet 12 of 15

Applicant: City of Mercer Island

Reference #: 200500980

Waterway: Lake Washington

Sec 1 T24N R4E

10-13-05

PLAN VIEW

LAKE WASHINGTON

MATCHLINE SHEET 12

N 220002.40
E 1295192.59

PROPOSED
10" SEWER

L=287'

L=218'

INNER HARBOR
LINE

PROPOSED SHORE
CONNECTION

EXISTING
SERVICE
CONNECTION

CONNECT TO
EXISTING 10" SEWER

N 219786.39
E 1295255.55

SHORELINE
(OHWM =
21.8 CORPS
DATUM)

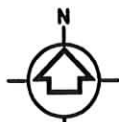
7828

7838

7840

8000

EXIST PUMP
STATION NO 1



0 100 200
SCALE IN FEET

SEWER LAKE LINE

Mercer Island, King County
Washington 98040

Sheet 13 of 15

Applicant: City of Mercer Island

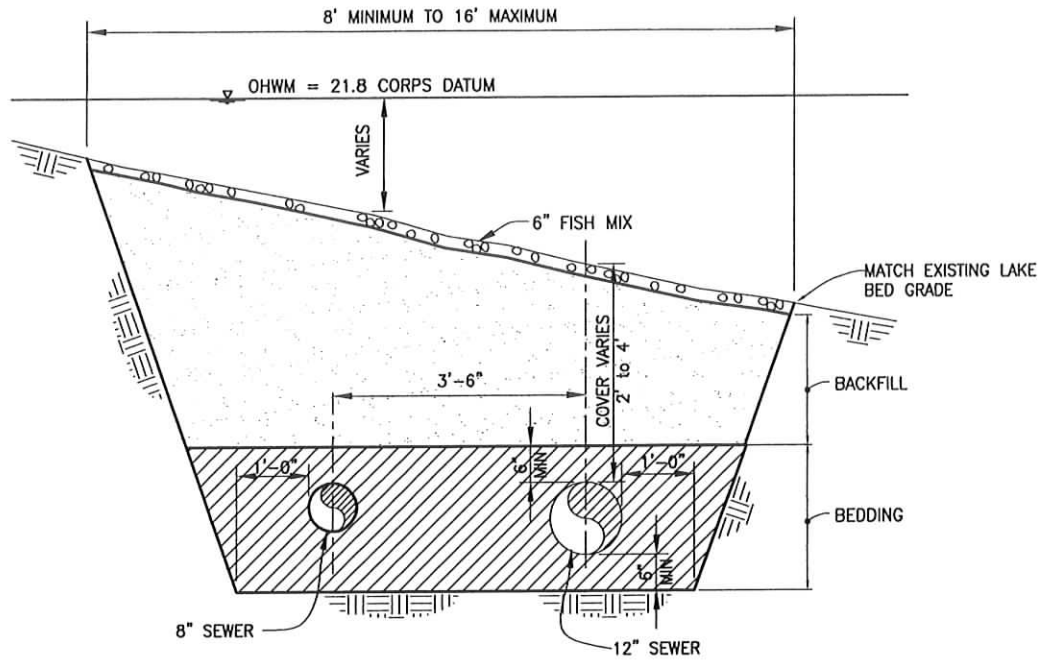
Reference #: 200500980

Waterway: Lake Washington

Sec 1 T24N R4E

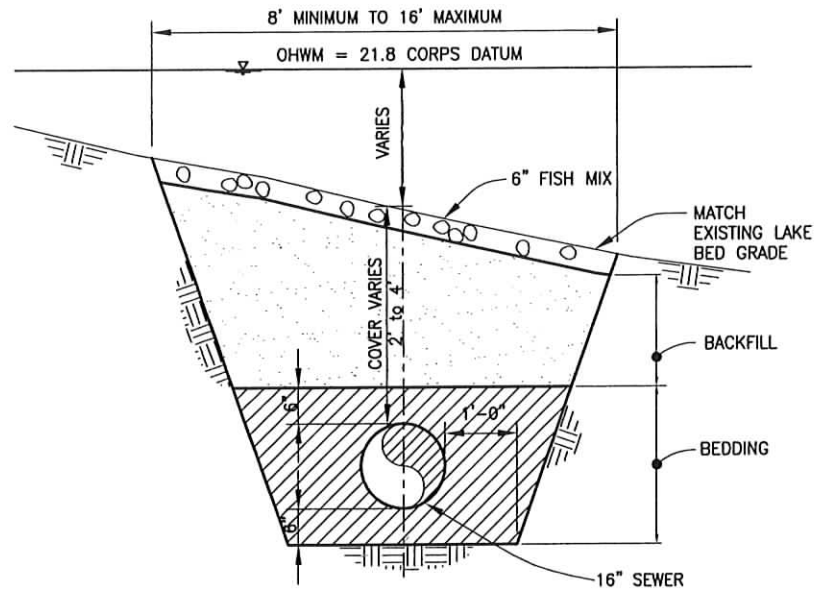
10-13-05

CROSS SECTION



DUAL LAKE LINE SEWER MAIN
TRENCH SECTION
3/8" = 1'

A



SINGLE LAKE LINE
TRENCH SECTION
3/8" = 1'

B

SEWER LAKE LINE

Mercer Island, King County
Washington 98040

Sheet 14 of 15

10-13-05

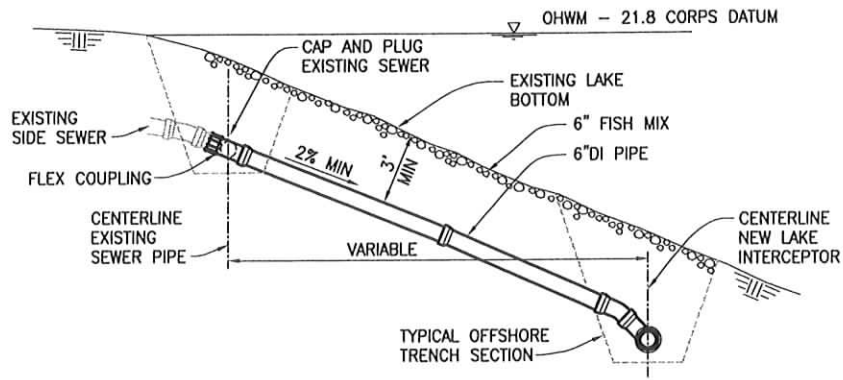
Applicant: City of Mercer Island

Reference #: 200500980

Waterway: Lake Washington

Sec's 1, 2, & 11 T24N R4E

CROSS SECTION



TYPICAL SHORE
CONNECTION DETAIL
NO SCALE



Path: J:\3330047 Mercer Id\MI-LDD\dwg\JARPACROSSSECT.dwg Plot date: Oct 12, 2005-04:11:55pm CAD User: jeff.wicke.

SEWER LAKE LINE

Mercer Island, King County
Washington 98040

10-13-05

Sheet 15 of 15

Applicant: City of Mercer Island

Reference #: 200500980

Waterway: Lake Washington

Sec's 1, 2, & 11 T24N R4E



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

*P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006*

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Notice of Application for
Water Quality Certification
and for
Certification of Consistency with the
Washington Coastal Zone Management Program

Date: December 6, 2005

Notice is hereby given that a request has been filed with the Department of Ecology, pursuant to the requirements of Section 401 of the federal Clean Water Act of 1977 (PL 95-217), to certify that the project described in the U.S. Army Corps of Engineers Public Notice No. 200500980 will comply with the Sections 301, 302, 303, 306, and 307 of the Act, and with applicable provisions of State and Federal water pollution control laws.

Notice is hereby given that a request has been filed with the Department of Ecology, pursuant to the requirements of Section 307© of the Federal Coastal Zone Management Act of 1972 (16 U.S.C. 1451), to certify that the above referenced project will comply with the Washington State Coastal Zone Management Program and that the project will be conducted in a manner consistent with that program.

Any person desiring to present views on the project pertaining to the project on either or both (1) compliance with water pollution control laws or (2) the project's compliance or consistency with the Washington State Coastal Zone Management Program may do so by providing written comments within 30 days of the above publication date to:

Federal Permit Coordinator
Department of Ecology
SEA Program
Post Office Box 47600
Olympia, Washington 98504-7600